

<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>2003946-0221 (HEAT-CIP/US NATL)</b>
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) Not yet assigned <b>60572871</b>
INTERNATIONAL APPLICATION NO. <b>PCT/US2004/030921</b>	INTERNATIONAL FILING DATE <b>September 22, 2004</b>	PRIORITY DATE CLAIMED <b>September 22, 2003</b>
TITLE OF INVENTION <b>HEMASTERLIN DERIVATIVES AND USES THEREOF</b>		
APPLICANT(S) FOR DO/EO/US <b>KOWALCZYK, et al.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).  <b>Publication WO 2005/030794 A2 (311 pp., including front page)</b></li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)).           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). (<b>Appendix A 25 pp</b>)</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendment has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> </ol>		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. )</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment. (<b>12 pp.</b>)</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information:           <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Certificate of Express Mailing (<b>1 pg</b>)</li> <li><input type="checkbox"/> Notification of International Application No. and Filing Date ( <b>pg.</b>)</li> <li><input checked="" type="checkbox"/> International Search Report (<b>11 pp.</b>)</li> </ul> </li> </ol>		

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>Not yet assigned</b>		INTERNATIONAL APPLICATION NO. <b>PCT/US2004/030921</b>		ATTORNEY'S DOCKET NUMBER <b>2003946-0221</b>	
21. The following fees are submitted:				Applicant use	Office use only
<input checked="" type="checkbox"/> a) Basic national fee ..... \$300.00				\$ 300.00	
<input checked="" type="checkbox"/> b) Examination fee ..... \$200.00				\$ 200.00	
<input checked="" type="checkbox"/> c) Search fee (International Search Report prepared by an ISA other than the US) ..... \$400.00				\$ 400.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b> ..... \$900.00				\$ 900.00	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
<b>311 - 100 =</b>	<b>211/50 =</b>	<b>5</b>	<b>x \$250.00</b>	<b>\$1,250.00</b>	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (c)).				\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	<b>37 - 20 =</b>	<b>17</b>	<b>17 x \$50.00</b>	<b>\$ 850.00</b>	
Independent claims	<b>4 - 3 =</b>	<b>1</b>	<b>1 x \$200.00</b>	<b>\$ 200.00</b>	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) <b>YES</b>			<b>\$360.00</b>	<b>\$ 360.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 3,690.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				<b>\$ 3,690.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f))				\$ 0.00	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 3,690.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 0.00	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 3,690.00</b>	
Amount to be refunded					\$
Amount to be charged					\$3,690.00
<p>a. <input type="checkbox"/> A check in the amount of \$0.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>03-1721</u> in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>03-1721</u>. A duplicate of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive 37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Patent Group Choate, Hall &amp; Stewart LLP Two International Place Boston, Massachusetts 02110 Tel: 617-248-5000 Fax: 617-248-4000 Dated: March 21, 2006</p>					
				Signature	
				Nadège M. Lagneau, Ph.D.	
				Name	
				51,908	
				Registration Number	

- ☒ Return Postcard
- ☐ Notification of Receipt of Record Copy ( pg., incl. cover sheets)
- ☐ Notification Concerning Submission or Transmittal of Priority Document ( pg.)
- ☐ Statement Under 37 CFR § 1.821 ( pg.)
- ☐ Paper Copy of Sequence Listing ( pg.)
- ☒ Credit Card Payment Form (1 pg)

1104542871  
1AP20 Rec'd PCT PTO 21 MAR 2006

#### CERTIFICATE OF EXPRESS MAILING

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Date of Deposit: March 21, 2006

I hereby certify that this correspondence is being deposited with the United States Postal Service as "*Express Mail Post Office to Addressee*" service under 37 CFR 1.10 on the date indicated above and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Signature  
Mary B. Wilson

Printed Name


**ATTORNEY DOCKET NO. 2003946-0221 (HEAT-CIP/US NATL)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Kowalczyk, et al.  
U.S. Serial No: Not yet assigned  
Filed: March 21, 2006  
From Int. Appl. No.: PCT/US2004/030921  
Intl Filing Date: September 22, 2004  
Priority: 10/667,864, filed September 22, 2003  
Title: HEMIASTERLIN DERIVATIVES AND USES THEREOF

Mail Stop PCT  
Commissioner For Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**Customer No. 24280**

CERTIFICATE OF EXPRESS MAILING	
"Express Mail" mailing label number: <u>EV 694840382 US</u>	
Date of Deposit: <u>March 21, 2006</u>	
I hereby certify that this correspondence is being deposited with the United States Postal Service as " <i>Express Mail Post Office to Addressee</i> " service under 37 CFR 1.10 on the date indicated above and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
 _____ Signature	
_____ Mary B. Wilson Printed Name	

**TRANSMITTAL LETTER**

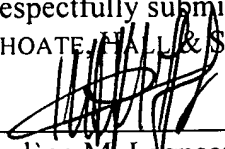
Enclosed herewith please find the documents listed below:

1. Transmittal Letter to the United States Designated Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. § 371 in duplication (6 pp);
2. Copy of the Published International Application WO2005/030794 A2 (311 pp);
3. Preliminary Amendment (12 pp);
4. Copy of the International Search Report (11 pp);
5. Appendix A-Copy of Article 19 Amendment (25 pp)
6. Certificate of Express Mail (1 pg);
7. Credit Card Payment Form in the amount of \$ 3,690.00 representing the Filing Fee for new '371 application; and
8. Return Post Card.

Please charge any fees associated with this filing, or apply any credits, to our Deposit  
Account No. 03-1721.

Respectfully submitted,  
CHOATE, HALL & STEWART LLP

Dated: March 21, 2006

  
Nadège M. Lagneau, Ph.D.  
Reg. No.: 51,908

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20039460221  
AP20 Rec'd PCTPTO 21 MAR 2006

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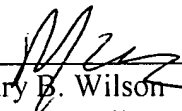
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**Customer No. 24280**

Sir:

**Certificate of Express Mailing**

I hereby certify that the foregoing documents are being deposited with the United States Postal Service as Express Mail, in an envelope addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date of  
  
March 21, 2006.

  
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Mary B. Wilson  
Express Mail No.: EV694840382US